

# Material Safety Data Sheet



## DuPont™ Imprelis™ Herbicide

Version 2.3

Revision Date 03/11/2011

Ref. 13000099916

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : DuPont™ Imprelis™ Herbicide  
Tradename/Synonym : Aminocyclopyrachlor 240SL  
DPX-MAT28 240SL  
Potassium salt of Aminocyclopyrachlor  
Potassium salt of 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid  
Acid Equivalent - Aminocyclopyrachlor 21.20%

MSDS Number : 13000099916

Manufacturer : DuPont  
1007 Market Street  
Wilmington, DE 19898

Product Information : 1-800-441-7515 (outside the U.S. 1-302-774-1000)  
Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)  
Transport Emergency : CHEMTREC: 1-800-424-9300 (outside the U.S. 1-703-527-3887)

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

##### Caution

Causes moderate eye irritation. Do not get in eyes or on clothing.

#### Potential Health Effects

This section includes potential acute adverse effects which could occur if this material is not used according to the label.

Eyes : May cause: Irritation with discomfort, pain, redness, or visual impairment.

#### Carcinogenicity

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Concentration
Potassium salt of aminocyclopyrachlor	858956-35-1	25 %
Inert Ingredients		75 %

Acid Equivalent	CAS-No.	Concentration
Aminocyclopyrachlor	858956-08-8	21.2 %

**SECTION 4. FIRST AID MEASURES**

- Skin contact** : The material is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable.
- Eye contact** : Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- Inhalation** : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- Ingestion** : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- General advice** : Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies involving this product, call toll free 1-800-441-3637. See Label for Additional Precautions and Directions for Use.



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**SECTION 5. FIRE-FIGHTING MEASURES**

- Flammable Properties  
Flash point : > 100 °C (> 212 °F)
- Fire and Explosion Hazard : Not a fire or explosion hazard.
- Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO2)
- Firefighting Instructions : In the event of fire, wear self-contained breathing apparatus. Wear full protective equipment.  
Evacuate personnel and keep upwind of fire. If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers / tanks with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

- Safeguards (Personnel) : Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Wear personal protective equipment.
- Spill Cleanup : Prevent further leakage or spillage. Soak up with inert absorbent material. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Dispose of in an approved container.
- Accidental Release Measures : Prevent material from entering sewers, waterways, or low areas. Follow applicable Federal, State/Provincial and Local laws/regulations.

**SECTION 7. HANDLING AND STORAGE**

- Handling (Personnel) : Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing.



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Storage : Do not contaminate water, food or feed by disposal. Store product in original container only in a location inaccessible to children and pets. Not for use or storage in or around the home.

Storage temperature : > 0 °C (> 32 °F)

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Personal protective equipment

Eye protection : Wear protective eyewear to prevent contact with this substance.

Skin and body protection : Applicators and other handlers must wear:  
 Long sleeved shirt and long pants  
 Shoes plus socks  
 PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:  
 Coveralls  
 Chemical resistant gloves made of any waterproof material  
 Shoes plus socks

Protective measures : Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Use this product in accordance with its label.

Exposure Guidelines

Exposure Limit Values

Aminocyclopyrachlor

AEL \* (DUPONT) 5 mg/m3 8 & 12 hr. TWA Respirable dust.

AEL \* (DUPONT) 10 mg/m3 8 & 12 hr. TWA Total dust.

\* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**



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Form : liquid  
Color : brown  
Odor : slight, vinegar-like  
pH : 6.9  
Density : 1.134 g/ml

**SECTION 10. STABILITY AND REACTIVITY**

Stability : Stable at normal temperatures and storage conditions.  
Conditions to avoid : None reasonably foreseeable.

**SECTION 11. TOXICOLOGICAL INFORMATION**

DuPont™ Imprelis™ Herbicide  
Inhalation 4 h LC50 : > 6.9 mg/l , rat  
Dermal LD50 : > 5,000 mg/kg , rat  
Oral LD50 : > 5,000 mg/kg , rat  
Skin irritation : No skin irritation, rabbit  
Eye irritation : Moderate eye irritation, rabbit  
Sensitisation : Animal test did not cause sensitization by skin contact., mouse  
Aminocyclopyrachlor  
Carcinogenicity : Animal testing did not show any carcinogenic effects.  
Mutagenicity : Evidence suggests this substance does not cause genetic damage in cultured bacterial cells.  
Evidence suggests this substance does not cause genetic damage in cultured mammalian cells.  
Evidence suggests this substance does not cause genetic damage in animals.  
Reproductive toxicity : No toxicity to reproduction



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Teratogenicity : Evidence suggests the substance is not a developmental toxin in animals.

**SECTION 12. ECOLOGICAL INFORMATION**

Aquatic Toxicity

Aminocyclopyrachlor

- 96 h LC50 : Oncorhynchus mykiss (rainbow trout) > 122 mg/l
- 96 h LC50 : Lepomis macrochirus (Bluegill sunfish) > 120 mg/l
- 72 h EC50 : Pseudokirchneriella subcapitata (green algae) > 122 mg/l
- 72 h EC50 : Anabaena flos-aquae (cyanobacteria) 7.4 mg/l
- 96 h EC50 : Daphnia magna (Water flea) 43 mg/l

Toxicity to other organisms

Aminocyclopyrachlor

- LD50 : Colinus virginianus (Bobwhite quail) > 2,075 mg/kg Oral
- LC50 : Colinus virginianus (Bobwhite quail) > 5,620 ppm Dietary
- LC50 : Anas platyrhynchos (Mallard duck) > 5,620 ppm Dietary

Additional ecological information : Environmental Hazards: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate. See product label for additional application instructions relating to environmental precautions.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste Disposal : Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product must be disposed of on site or at an approved waste



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disposal facility.

Container Disposal : Refer to the product label for instructions.  
Do not transport if this container is damaged or leaking.

In the event of a major spill, fire or other emergency, call 1-800-441-3637 day or night.

**SECTION 14. TRANSPORT INFORMATION**

Not Regulated as a hazardous material by DOT, IMO, or IATA.

**SECTION 15. REGULATORY INFORMATION**

SARA 313 Regulated Chemical(s) : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

EPA Reg. No. : 352-793  
In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.

PA Right to Know Regulated Chemical(s) : Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances): Potassium hydroxide , Propane-1,2-diol

NJ Right to Know Regulated Chemical(s) : Substances on the New Jersey Workplace Hazardous Substance List present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): Potassium hydroxide



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**SECTION 16. OTHER INFORMATION**

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Contact person : DuPont Crop Protection, Wilmington, DE, 19898, Phone: 1-888-638-7668

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